**Homework 42 Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Per \_\_\_\_**

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| 1) Use the Subtraction Property  Given:  Prove:  V  T  S  R | |
| 3) Use the Transitive Property  **GIVEN:** *m**A = m**B*  *m**C = m**B*  **PROVE:** *A* *C* | 4) Use Vertical Angles  Given:  Prove:  K  L  M  N  2  1 |

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| 1. At what point does the line y = -2x + 2 cross the x-axis? | 2. Solve for x in the following equation:  y = 2x2 + w |
| 3. What are the roots of the equation x2 - 2x = 12? | 4. x = {-3, 7} is a solution set for what quadratic equation? |
| 5. A circle has a circumference of 10π centimeters. What is the area of that circle, in terms of π? | 6. Find the value of y in the figure below: |